



TPW

PATENT
Customer No. 22,852
Attorney Docket No. 08350.1649-02

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:)
James WEBER et al.) Group Art Unit: 3747
Application No.: 10/733,570) Examiner: Hyder Ali
Filed: December 12, 2003) Confirmation No. 1629
For: AIR AND FUEL SUPPLY SYSTEM) HAND CARRY FILING
FOR COMBUSTION ENGINE)

United States Patent and Trademark Office
Customer Service Window
Randolph Building
401 Dulany Street
Alexandria, VA 22313

Sir:

INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. § 1.97(c)

Pursuant to 37 C.F.R. §§ 1.56 and 1.97(c), Applicants bring to the attention of the Examiner the documents on the attached listing. This Information Disclosure Statement is being filed after the events recited in Section 1.97(b) but, to the undersigned's knowledge, before the mailing date of either a Final action, Quayle action, or a Notice of Allowance. Under the provisions of 37 C.F.R. § 1.97(c), this Information Disclosure Statement is accompanied by a fee of \$180.00 as specified by Section 1.17(p).

Copies of the listed foreign and non-patent literature documents are attached. In addition, attached are copies of each of the English language abstracts and translations identified on the attached form.

PATENT
Customer No. 22,852
Attorney Docket No. 08350.1649-02

Applicants respectfully request that the Examiner consider the listed documents and indicate that they were considered by making appropriate notations on the attached form.

This submission does not represent that a search has been made or that no better art exists and does not constitute an admission that each or all of the listed documents are material or constitute "prior art." If the Examiner applies any of the documents as prior art against any claims in the application and Applicants determine that the cited documents do not constitute "prior art" under United States law, Applicants reserve the right to present to the office the relevant facts and law regarding the appropriate status of such documents.

Applicants further reserve the right to take appropriate action to establish the patentability of the disclosed invention over the listed documents, should one or more of the documents be applied against the claims of the present application.

If there is any fee due in connection with the filing of this Statement, please charge the fee to our Deposit Account No. 06-0916.

Respectfully submitted,

FINNEGAN, HENDERSON, FARABOW,
GARRETT & DUNNER, L.L.P.

Dated: January 20, 2006

By: 
Anthony M. Gutowski
Reg. No. 38,742

Complete if Known
**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

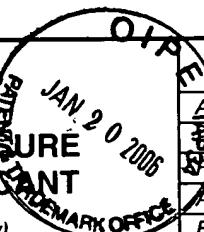
Sheet

1

of

13

Application Number	10/733,570
Filing Date	December 12, 2003
First Named Inventor	Weber
Art Unit	3747
Examiner Name	Hyder Ali
Attorney Docket Number	8350.1649-02



(Use as many sheets as necessary)

U.S. PATENTS AND PUBLISHED U.S. PATENT APPLICATIONS					
Examiner Initials	Cite No. ¹	Document Number	Issue or Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US-2002/0011233 A1	01-31-2002	Takuya Shiraishi et al.	
		US-2004/0020204 A1	02-2004	Callas et al.	
		US-2005/0098162 A1	05-12-2005	Bryant	
		US-2005-0183692 A1	08-25-2005	Weber et al.	
		US-1,033,939	07-1912	Robb et al.	
		US-1,562,692	11-1925	DeRochefort-Lucay	
		US-1,825,817	10-1931	Patterson	
		US-1,963,780	06-1934	DuBois	
		US-2,202,227	05-28-1940	Noland	
		US-2,292,233	08-04-1942	Lysholm	
		US-2,344,993	03-28-1944	Lysholm	
		US-2,391,176	12-1945	Mallory	
		US-2,400,247	05-14-1946	Miller et al.	
		US-2,453,377	11-1948	Lozivit	
		US-2,484,109	10-11-1949	Meinecke	
		US-2,522,456	09-1950	Mallory	
		US-2,594,845	04-1952	Baumann	
		US-2,614,547	10-21-1952	Meinecke	
		US-2,644,436	07-07-1953	Berlyn	
		US-2,670,595	03-02-1954	Miller	
		US-2,773,490	12-11-1956	Miller	
		US-2,780,912	02-12-1957	Miller	
		US-2,817,322	12-24-1957	Miller	
		US-2,991,616	07-11-1961	Miller	
		US-3,015,934	01-09-1962	Miller	
		US-3,029,594	04-17-1962	Miller	
		US-3,144,749	08-18-1964	Miller	
		US-3,186,388	06-1965	Bricout	
		US-3,257,797	06-28-1966	Lieberherr	
		US-3,266,234	08-1966	Cook	
		US-3,336,911	08-22-1967	Steiger	
		US-3,405,692	10-1968	Paschke	
		US-3,416,502	12-17-1968	Weiss	
		US-3,591,958	07-13-1971	Nebgen	

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet	2	of	13	Attorney Docket Number	8350.1649-02
-------	---	----	----	------------------------	--------------

Complete if Known

Application Number	10/733,570
Filing Date	December 12, 2003
First Named Inventor	Weber
Art Unit	3747
Examiner Name	Hyder Ali

U.S. PATENTS AND PUBLISHED U.S. PATENT APPLICATIONS

	US-3,595,013	07-27-1971	Brille and Baguelin	
	US-3,938,483	02-17-1976	Firey	
	US-3,963,006	06-15-1976	Firey	
	US-3,964,451	06-1976	Goto	
	US-3,995,606	12-07-1976	Firey	
	US-4,009,694	03-01-1977	Firey	
	US-4,009,695	03-01-1977	Ule	
	US-4,058,096	11-1977	Brown	
	US-4,084,557	04-18-1978	Luria	
	US-4,084,568	04-18-1978	Sato et al.	
	US-4,132,213	01-1979	Weaver	
	US-4,138,973	02-13-1979	Luria	
	US-4,149,493	04-1979	Franke	
	US-4,153,016	05-08-1979	Hausknecht	
	US-4,157,079	06-05-1979	Kristiansen	
	US-4,169,451	10-02-1979	Niggemeyer	
	US-4,174,683	11-20-1979	Vivian	
	US-4,232,641	11-11-1980	Curtil	
	US-4,280,451	07-28-1981	Moore	
	US-4,305,352	12-15-1981	Oshima et al.	
	US-4,315,488	02-1982	Tadokoro et al.	
	US-4,344,289	08-17-1982	Curiel et al.	
	US-4,364,341	12-21-1982	Holtmann	
	US-4,387,672	06-14-1983	Crocker	
	US-4,421,077	12-20-1983	Ruggeri	
	US-4,520,774	06-04-1985	Sitter	
	US-4,527,534	07-1987	Sakurai et al.	
	US-4,530,318	07-23-1985	Semple	
	US-4,539,948	09-10-1985	Toepel	
	US-4,552,112	11-12-1985	Nagao et al.	
	US-4,554,890	11-1985	Okimoto et al.	
	US-4,565,167	01-1986	Bryant	
	US-4,566,422	01-1986	Tadokoro et al.	
	US-4,576,127	03-18-1986	Doi et al.	
	US-4,582,029	04-15-1986	Masuda et al.	
	US-4,589,380	05-20-1986	Coad	

Complete if Known

INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>		<i>Application Number</i>	10/733,570
		<i>Filing Date</i>	December 12, 2003
		<i>First Named Inventor</i>	Weber
		<i>Art Unit</i>	3747
		<i>Examiner Name</i>	Hyder Ali
		Sheet	3
		Attorney Docket Number	8350.1649-02

U.S. PATENTS AND PUBLISHED U.S. PATENT APPLICATIONS

	US-4,592,310	06-03-1986	Hitomi et al.	
	US-4,592,319	06-03-1986	Meistrick	
	US-4,633,403	12-30-1986	Asmus	
	US-4,633,844	01-1987	Okimoto	
	US-4,651,684	03-24-1987	Masuda et al.	
	US-4,667,636	05-26-1987	Oishi et al.	
	US-4,714,063	12-22-1987	Oda et al.	
	US-4,716,863	01-05-1988	Pruzan	
	US-4,730,457	03-1988	Yamada et al.	
	US-4,753,198	06-28-1988	Heath	
	US-4,759,188	07-1988	Oskar Schatz	
	US-4,771,742	09-20-1988	Nelson et al.	
	US-4,798,184	01-1989	Palko	
	US-4,805,571	02-21-1989	Humphrey	
	US-4,839,453	11-24-1989	Hu	
	US-4,841,936	06-27-1989	Takahashi	
	US-4,852,353	08-01-1989	Holmer	
	US-4,860,704	08-29-1989	Slaughter	
	US-4,862,841	09-05-1989	Stevenson	
	US-4,864,984	09-12-1989	Blish	
	US-4,876,988	10-31-1989	Paul et al.	
	US-4,878,464	11-07-1989	Richeson, Jr. et al.	
	US-4,903,488	02-1990	Shibata	
	US-4,916,903	04-17-1990	Holmer	
	US-4,917,058	04-17-1990	Nelson et al.	
	US-4,928,648	05-29-1990	Schatz et al.	
	US-4,934,344	06-19-1990	Perr	
	US-4,936,263	06-26-1990	Tamba et al.	
	US-4,945,870	08-07-1990	Richeson	
	US-4,957,069	09-1990	Mederer	
	US-4,958,606	09-25-1990	Hitomi et al.	
	US-4,959,961	10-1990	Hiereth	
	US-4,961,406	10-09-1990	Burandt	
	US-4,964,375	10-23-1990	Takeyama et al.	
	US-5,002,022	03-26-1991	Perr	
	US-5,033,268	07-23-1991	Hitomi et al.	

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

<i>Application Number</i>	10/733,570
<i>Filing Date</i>	December 12, 2003
<i>First Named Inventor</i>	Weber
<i>Art Unit</i>	3747
<i>Examiner Name</i>	Hyder Ali
<i>Attorney Docket Number</i>	8350.1649-02

Sheet

4

of

13

U.S. PATENTS AND PUBLISHED U.S. PATENT APPLICATIONS

US-5,050,378	09-24-1991	Clemmens	
US-5,076,248	12-31-1991	Schatz	
US-5,083,543	01-28-1992	Harada et al.	
US-5,090,202	02-25-1992	Hitomi et al.	
US-5,103,645	04-14-1992	Haring	
US-5,107,802	04-28-1992	Yagi et al.	
US-5,117,790	06-02-1992	Clark, et al.	
US-5,119,795	06-1992	Goto et al.	
US-5,121,733	06-16-1992	Goto et al.	
US-5,138,839	08-18-1992	Hitomi et al.	
US-5,140,953	08-25-1992	Fogelberg	
US-5,140,955	08-25-1992	Sono et al.	
US-5,161,497	11-10-1992	Simko et al.	
US-5,189,998	03-02-1993	Hara	
US-5,201,907	04-13-1993	Hitomi et al.	
US-5,203,311	04-20-1993	Hitomi et al.	
US-5,205,251	04-27-1993	Conklin	
US-5,215,061	06-01-1993	Ogawa et al.	
US-5,216,987	06-08-1993	Clarke	
US-5,230,320	07-27-1993	Hitomi et al.	
US-5,233,831	08-10-1993	Hitomi et al.	
US-5,233,948	08-10-1993	Boggs et al.	
US-5,235,940	08-17-1993	Nakatani	
US-5,239,960	08-31-1993	Sasaki et al.	
US-5,251,595	10-1993	Wei-Min	
US-5,253,622	10-19-1993	Bornstein et al.	
US-5,255,637	10-26-1993	Schechter	
US-5,271,359	12-21-1993	Teramoto et al.	
US-5,293,741	03-15-1994	Kashiyama et al.	
US-5,309,756	05-10-1994	Osawa et al.	
US-5,327,856	07-12-1994	Schroeder et al.	
US-5,357,936	10-25-1994	Hitomi et al.	
US-5,365,895	11-22-1994	Riley	
US-5,365,896	11-22-1994	Hara et al.	
US-5,389,051	02-14-1995	Hirate et al.	
US-5,392,740	02-28-1995	Teramoto et al.	

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet	5	of	13	<i>Complete if Known</i>
				<i>Application Number</i> 10/733,570
				<i>Filing Date</i> December 12, 2003
				<i>First Named Inventor</i> Weber
				<i>Art Unit</i> 3747
				<i>Examiner Name</i> Hyder Ali
				<i>Attorney Docket Number</i> 8350.1649-02

U.S. PATENTS AND PUBLISHED U.S. PATENT APPLICATIONS

	US-5,396,874	03-14-1995	Hitomi et al.	
	US-5,398,502	03-21-1995	Watanabe	
	US-5,417,189	05-23-1995	Regueiro	
	US-5,419,301	05-30-1995	Schechter	
	US-5,421,296	06-06-1995	Hitomi et al.	
	US-5,421,308	06-06-1995	Hitomi et al.	
	US-5,427,078	06-27-1995	Hitomi et al.	
	US-5,429,100	07-04-1995	Goto et al.	
	US-5,433,180	07-18-1995	Hitomi et al.	
	US-5,443,050	08-22-1995	Hitomi et al.	
	US-5,445,116	08-29-1995	Hara	
	US-5,452,694	09-26-1995	Hara	
	US-5,456,224	10-10-1996	Riley	
	US-5,469,818	11-28-1995	Yoshioka et al.	
	US-5,488,970	02-1996	Cippitani	
	US-5,492,103	02-1996	Goto	
	US-5,494,008	02-27-1996	Ohkawa et al.	
	US-5,494,009	02-27-1996	Yamada et al.	
	US-5,495,830	03-05-1996	Wu	
	US-5,497,737	03-12-1996	Nakamura	
	US-5,509,394	04-23-1996	Hitomi et al.	
	US-5,518,818	05-21-1996	Kidai et al.	
	US-5,531,193	07-02-1996	Nakamura	
	US-5,535,704	07-16-1996	Paul	
	US-5,535,716	07-16-1996	Sato, et al.	
	US-5,549,080	08-27-1996	Uchikawa	
	US-5,553,573	09-10-1996	Hara et al.	
	US-5,557,983	09-24-1996	Hara et al.	
	US-5,558,060	09-24-1996	Horie et al.	
	US-5,586,527	12-24-1996	Kreuter	
	US-5,588,411	12-31-1996	Kreuter et al.	
	US-5,590,632	01-07-1997	Kato et al.	
	US-5,606,942	03-04-1997	Tsuzuku et al.	
	US-5,611,303	03-18-1997	Izuo	
	US-5,622,144	04-22-1997	Nakamura et al.	
	US-5,623,896	04-29-1997	Kato et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Complete if Known	
				<i>Application Number</i>	10/733,570
				<i>Filing Date</i>	December 12, 2003
				<i>First Named Inventor</i>	Weber
				<i>Art Unit</i>	3747
				<i>Examiner Name</i>	Hyder Ali
Sheet	6	of	13	<i>Attorney Docket Number</i>	8350.1649-02

U.S. PATENTS AND PUBLISHED U.S. PATENT APPLICATIONS

	US-5,626,109	05-06-1997	Yasumura et al	
	US-5,645,020	07-08-1997	Yamada	
	US-5,649,516	07-1997	Laveran	
	US-5,660,155	08-26-1997	Taue et al.	
	US-5,661,835	08-26-1997	Kato et al.	
	US-5,664,528	09-09-1997	Kato et al.	
	US-5,664,529	09-09-1997	Kato et al.	
	US-5,678,515	10-21-1997	Kato et al.	
	US-5,680,841	10-28-1997	Hu	
	US-5,692,464	12-02-1997	Kimura	
	US-5,704,316	01-06-1998	Fujimoto et al.	
	US-5,711,154	01-27-1998	Baechle et al.	
	US-5,713,330	02-03-1998	Hitomi et al.	
	US-5,724,927	03-10-1998	Suzuki	
	US-5,732,554	03-31-1998	Sasaki et al.	
	US-5,762,480	06-1998	Adahan	
	US-5,775,099	07-07-1998	Ito et al.	
	US-5,775,283	07-07-1998	Sawai et al.	
	US-5,819,702	10-13-1998	Mendler	
	US-5,845,613	12-08-1998	Yoshikawa	
	US-5,848,529	12-15-1998	Katoh et al.	
	US-5,924,395	07-20-1999	Moriya et al.	
	US-5,950,582	09-14-1999	Stein	
	US-5,960,755	10-05-1999	Diggs et al.	
	US-5,970,929	10-26-1999	Tacquet	
	US-5,992,361	11-30-1999	Murata et al.	
	US-5,996,560	12-07-1999	Schechter	
	US-6,058,348	05-02-2000	Ohyama et al.	
	US-6,079,378	06-27-2000	Taue et al.	
	US-6,085,705	07-11-2000	Vorih	
	US-6,112,523	09-05-2000	Kamo	
	US-6,223,846	05-2001	Schechter	
	US-6,234,144	05-22-2001	Yamaguchi et al.	
	US-6,260,523	07-21-2001	Nakamura et al.	
	US-6,266,957	07-31-2001	Nozawa et al.	
	US-6,276,316	08-21-2001	Arai et al.	

Complete if Known

INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Application Number	10/733,570
				Filing Date	December 12, 2003
				First Named Inventor	Weber
				Art Unit	3747
				Examiner Name	Hyder Ali
				Sheet	7

U.S. PATENTS AND PUBLISHED U.S. PATENT APPLICATIONS

	US-6,295,816	10-02-2001	Gallagher et al.	
	US-6,298,300	10-02-2001	Ohyama et al.	
	US-6,311,493	11-06-2001	Kurihara et al.	
	US-6,338,245	01-15-2002	Shimoda et al.	
	US-6,343,473	02-05-2002	Kanesaka	
	US-6,394,051	05-28-2002	Filipe et al.	
	US-6,460,337	10-08-2002	Olofsson	
	US-6,513,319	02-04-2003	Nozawa et al.	
	US-6,516,264	02-04-2003	Ohyama et al.	
	US-6,591,795	07-15-2003	Janak	

Note: Copies of the U.S. Patent Documents are not Required in IDS filed after October 21, 2004

FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Translation ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
		JP 363268942 A	11-07-1988	Iwaki, Masato et al.		ABS
		JP 363176616 A	07-20-1988	Okino, Yoshinori et al.		YES
		WO 95/33131	12-07-1995	Ferrenberg		
		WO 92/13178	08-06-1992	Fogelberg		
		WO 96/01939	01-25-1996	Taylor		
		WO 96/15362	05-23-1996	Taylor		
		EP 0 690 214 B1	10-02-1999	Sawai et al.		
		EP 0 560 476 A1	09-15-1993	Simko		
		EP 0 857 866 A1	08-12-1998	Kamura		
		EP 1 116 870 A2	07-18-2001	Morizane et al.		
		EP 1 178 192 A2	02-06-2002	Ikeda et al.		
		EP 0 646 703 B1	12-10-1997	Goto et al.		
		EP 0 269 125 B1	08-12-1992	Hitomi, et al.		
		DE 37 30 001 A1	03-30-1989	Kappeimeier		YES
		GB 2018352	10-17-1979	Keylwert		
		DE 195 15 325 A1	10-24-1996	Hill Juergen Peter		ABS
		DE 24 57 208 A1	06-10-1976	Mederer, Gerhard		
		DE 27 34 715 A1	02-22-1979	Scherf geb. Kindermann		
		DE 29 30 124 A1	02-12-1981	Wieser		
		DE 31 24 668 A1	01-13-1983	Daimler-Benz AG		
		DE 39 03 474 A1	09-07-1989	Simperi et al.		

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet	8	of	13	Attorney Docket Number	8350.1649-02
-------	---	----	----	------------------------	--------------

Complete if Known

Application Number	10/733,570
Filing Date	December 12, 2003
First Named Inventor	Weber
Art Unit	3747
Examiner Name	Hyder Ali

FOREIGN PATENT DOCUMENTS					
	DE 43 08 354 A1	09-23-1993	Goto Tsuyoshi		ABS
	EP 0 275 244 A1	07-20-1988	Holmer		
	EP 1 022 446 A1	07-26-2000	Saito		
	EP 0 646 703 A2	04-05-1995	Goto, Tsuyoshi		
	FR 2 583 108 A2	12-12-1986	Hazera - Nadvornik		
	FR 2 674 285 A1	03-21-1991	Lakhdar		
	GB 1 303 080	01-17-1973	James Wood Senior		
	GB 1 331 348	09-26-1973	Societe Anonyme		
	GB 2 129 055	05-10-1984	Surace		
	GB 2 300 226	10-30-1996	Ishihara and Ozawa		
	JP 02645942 B2	08-25-1997	Kakegawa Toshiaki		ABS
	JP 10-24414	01-26-1989	Furukawa Electric Co. Ltd.		ABS
	JP 2001-193468	07-17-2001	Japan		
	JP 55-153820	12-01-1980	Tadokoro, Asao et al.		ABS
	JP 58-180722	10-22-1983	Toyo Kogyo K.K.		ABS
	JP 58-211526	12-09-1983	Honda Giken Kogyo K.K.		ABS
	JP 58-62314	04-13-1983	Mazda Motor Corp.		ABS
	JP 59-188031	10-25-1984	Tadokoro, Asao et al.		ABS
	JP 59-60034	04-05-1984	Hoshino, Taro		YES
	JP 60-90926	05-22-1985	Takubo Hiroichi		ABS
	JP 61-70130	04-10-1986	Takeda Yuji		ABS
	JP 63-198728	08-17-1988	Furushima Takeshi		ABS
	JP 63-268926	11-07-1988	Okimoto, Haruo et al.		ABS
	JP 63-268927	11-07-1988	Akagi, Toshimichi et al.		ABS
	JP 63-55324	03-09-1988	Tajima Seiji		ABS
	JP 63-57822	03-12-1988	Okimoto, Haruo et al.		ABS
	JP 64-83820	03-29-1989	Noguchi, Naoyuki et al.		ABS
	JP 7-233744	09-05-1995	Japan		
	JP 6-119933	04-28-1994	Japan		
	JP 7-145740	06-06-1995	Japan		
	JP 6-129271	05-10-1994	Yoshikawa		YES
	JP 2003-262137	09-19-2003	Nakada, Osamu		
	SU 1247573 A1	07-30-1986	USSR		ABS
	SU 248375	12-1969	USSR		ABS
	WO 01/46574 A2	06-28-2001	Bigi, Maurizio		
	WO 81/03200	11-12-1981	Abeillion		ABS

INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Complete if Known	
				<i>Application Number</i>	10/733,570
				<i>Filing Date</i>	December 12, 2003
				<i>First Named Inventor</i>	Weber
				<i>Art Unit</i>	3747
				<i>Examiner Name</i>	Hyder Ali
Sheet	9	of	13	<i>Attorney Docket Number</i>	8350.1649-02

FOREIGN PATENT DOCUMENTS

		WO 90/15917	12-27-1990	Dullaway		
		WO 95/08705	03-30-1995	Routery		
		WO 95/18294	07-06-1995	Kabushikikaisha Komatsu		ABS
		WO 2004/081356	09-23-2004	Bryant		
		WO 01/86125 A1	11-15-2001	Loye and Frazier		
		WO 99/42718	08-26-1999	Flynn et al.		
		AT 003 134	10-25-1999	Mayerhofer et al.		YES
		AT 003 205	11-25-1999	Kapus et al.		YES
		DE 29 26 327 A1	01-29-1981	Oetting		YES
		DE 29 42 326 A1	04-23-1981	Papez		YES
		DE 30 06 619 A1	08-27-1981	Robmann		YES
		DE 37 16947 C1	03-03-1988	Gartner		YES
		DE 195 14500 A1	10-24-1996	Andresen		YES
		DE 196 48 337 A1	06-04-1998	Waal		YES
		DE 38 35 333 A1	04-19-1990	Plesek		YES
		DE 41 15 008 A1	11-12-1992	Adam Opel AG		YES
		JP 05-099007	04-20-1993	Goto Masahito et al.		YES
		JP 05-179966	07-20-1993	Yagi Shizuo and Ishibashi Yoichi		YES
		JP 06-108860	04-19-1994	Goto Takeshi and Sugimoto Hirobumi		YES
		JP 06-235305	08-23-1994	Nakamura Makoto et al.		YES
		JP 06-235307	08-23-1994	Nakamura Makoto et al.		YES
		JP 06-241097	08-30-1994	Kaji Takashi and Suzuki Atsushi		YES
		JP 06-346711	12-20-1994	Okano Takayuki and Koji		YES
		JP 07-091265	04-04-1995	Matsuyoshi Yoshimasa and Watanabe Hideoki		YES
		JP 07-158473	06-20-1995	Hitomi Mitsuo and Iwata Noriyuki		YES
		JP 07-166926	06-27-1995	Iriya Yuuichi et al.		YES
		JP 08-177432	07-09-1996	Takemura Shinichi et al.		YES
		JP 08-177433	07-09-1996	Takemura Shinichi et al.		YES
		JP 08-177434	07-09-1996	Takemura Shinichi et al.		YES
		JP 08-177435	07-09-1996	Takemura Shinichi et al.		YES
		JP 08-177436	07-09-1996	Takemura Shinichi et al.		YES

NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	Translation ⁶
-------------------	-----------------------	---	--------------------------

Complete if Known

INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Application Number	10/733,570
				Filing Date	December 12, 2003
				First Named Inventor	Weber
				Art Unit	3747
				Examiner Name	Hyder Ali
				Sheet	10

NON PATENT LITERATURE DOCUMENTS

	MILLER, R. and LIEBERHERR, H., "The Miller Supercharging System for Diesel and Gas Engines Operating Characteristics", International Congress of Combustion Engine Conference, CIMAC, 1957, pages 787-803	
	MILLER, R., "Supercharging and Internal Cooling Cycle for High Output", Oil and Gas Power Division proceedings of the National Conference, 1946, ASME 46-OGP-4, pages 1-5	
	MOREL, T. et al., "Application of Several Variable Valve Timing Concepts to an LHR Engine", Journal of Engineering for Gas Turbines and Power, 1987, pages 402-409, Vol. 109, ASME 87-ICE-29	
	ASSANIS, D. and BOLTON, B., "Variable Valve Timing Strategies for Optimum Engine Performance and Fuel Economy", Jan 23-27, 1994, ASME 94-ICE-5, pages 1-11	
	ZAPPA, G. and FRANCA, T., "A 4-Stroke High Speed Diesel Engine with Two-Stage of Supercharging and Variable Compression Ratio", 13 th International Congress on Combustion Engines, 1979, pages D19-1 - D19-22	
	DRESNER, T. and BARKAN, P., "A Review of Variable Valve Timing Benefits and Modes of Operation", SAE Technical Paper Series 891676, 1989, pages 1-9	
	AHMAD, T. and THEOBALD, M., "A Survey of Variable Valve-Actuation Technology", SAE Technical Paper Series 891674, August 7-10, 1989, pages 1-27	
	MA, T., "Effect of Variable Engine Valve Timing on Fuel Economy", SAE Technical Paper Series 880390, February 29-March 4, 1988, pages 1-8	
	MA, T. and RAJABU, H., "Computer Simulation of an Otto-Atkinson Cycle Engine with Variable Timing Multi-Intake Valves and Variable Compression Ratio", IMechE C53/88, 1988, pages 273-277	
	PORTER, B. et al., "Control Technology for Future Low Emissions Diesel Passenger Cars", C517/035/96, 12 pages	
	CHARLTON, S. et al., "Application of Variable Valve Timing To a Highly Turbo Charged Diesel Engine", C405/044, IMechE, 1990, pages 189-195	
	LADOMMATOS, N. and STONE, C., "Developments for Direct Injection Diesel Engines", Mechanical Engineering Publications Limited, 1986, pages 41 - 53	
	ROE, G., "Variable Valve-Timing Unit Suitable for Internal Combustion Engines", Vol. 186 23/72, pages 301 - 306 and D103-D105	
	PAYRI, F. et al., "Reduction of Pumping Losses By the Use of a Variable Valve Timing System", IMechE 105/84, 1984, pages 295-300	
	CHARLTON, S., "A Continuously Variable Poppet Valve Actuator for Internal Combustion Engines", IMechE 82/86, 1986, pages 157-195	
	THRING, R., "The Flexible Diesel Engine", SAE Technical Paper Series 900175, February 26-March 2, 1990, pages 31-39	
	MAVINAHALLY, N. et al., "Insulated Miller Cycle Diesel Engine", SAE Technical Paper Series 961050, February 26-29, 1996, pages 1-9	
	SCHECHTER, M. and LEVIN, M., "Camless Engine", SAE Technical Paper Series 960581, February 25-29, 1996, pages 17-31	
	MILLER, R., "Supercharging and Internal Cooling Cycle for High Output", ASME, 1947, pages 453 - 464, Vol.69	
	MARDELL, J. and CROSS, R., "An Integrated, Full Authority, Electrohydraulic Engine Valve and Diesel Fuel Injection System", SAE Technical Paper Series 880602, February 29-March 4, 1988, pages 1 - 10	
	GRAY, C., "A Review of Variable Engine Valve Timing", SAE Technical Series 880386, February 29-March 4, 1988, pages 1-11	
	ASMUS, T., "Perspectives on Applications of Variable Valve Timing", SAE Technical Series 910445, February 25 - March 1, 1991, pages 1-13	
	VORMSTEIN, W. and PLEIMLING, H., "Valve Timing and its Effect on the Performance of Medium-Speed Diesel Engines", 12 th International Congress on Combustion Engines, 1977, pages 1-41	
	CHUTE, R., "Pressure Compounding a Four Cycle Diesel Engine", SAE Technical Paper Series 851520, September 9-12, 1985, pages 1-15	
	ISHIZUKI, et al., "A New Type of Miller Supercharging System for High Speed Engines Part 2-Realization of High BMEP Diesel Engines", SAE Technical Series 851523, September 9-12, 1985, pages 1-10	
	LEONARD, H. et al., "Parametric Investigation of Variable Valve Timing Applied to a Turbocharged Diesel Engine", SAE Technical Paper Series 910453, February 25-March 1, 1991, pages 1-9	
	LEONARD, H. et al., "Design and Analysis of a Roller Follower Variable Valve Timing System", SAE Technical Paper Series 930824, March 1-5, 1993, pages 61-70	
	TUTTLE, J., "Controlling Engine Load by Means of Late Intake-Valve Closing", SAE Technical Paper Series 800794, June 9-13, 1980, pages 1-13	

Complete if Known

INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Application Number	10/733,570
				Filing Date	December 12, 2003
				First Named Inventor	Weber
				Art Unit	3747
				Examiner Name	Hyder Ali
				Sheet	11

NON PATENT LITERATURE DOCUMENTS

	BATA, R. et al., "Variable Valve Timing for Diesel Compression Ratio Control", American Society of Mechanical Engineers, Internal Combustion Engine Division ICE, Vol. 13, New Technology in Large Bore Engines, 1990, pages 89-93	
	MEIER, E. and BADEN, "The Miller System-a Possible Solution to Present Problems with Highly Charged Four-Stroke Engines", Brown Boveri Review, April 1977, pages 235-242, Vol. 64, No. 4	
	BOLTON, B. and ASSANIS, D., "Optimum Breathing Strategies for Turbocharged Diesel Engines Based on the Miller Cycle Concept", American Society of Mechanical Engineers, Petroleum Division, Engineering Systems Design and Analysis, ASME, 1994, pages 253-262, Vol. 8: Part B	
	"Internal-Combustion Engines," The New Encyclopaedia Britannica, 1987, pages 474-485, Fifteenth edition, Chicago, IL	
	DREI, V., "B230 Engines: Research and Experiments for Widening the Speed and Output Range and for Utilizing Alternative Fuels", Tech Paper 41336, 1983, pages 703-728	
	"Camlobe Phasing May Be the Key to Controlling Emissions", Automotive Engineer, June/July 1990, pages 26-27	
	BERCHTOLD, M., "Two Stage Supercharging with Comprex", 14 th International Congress on Combustion Engines, 1981, pages D111-1 - D111-15	
	FRANKLE, G., "Potential for Reducing Internal Engine Emissions in Modern Commercial Vehicle Diesel Engines", ACEA, July 1-2, 1996, 28 pages	
	SAKAI, H. et al., "A New Type of Miller Cycle Diesel Engine", JSAE Review, April 1988, pages 4-9	
	CHOSHII, M. et al., "Development of V6 Miller Cycle Engine", JSAE Review 15 9434154, 1994, pgs. 195-200	
	NAGAO, F. et al., "Relation between Inlet Valve Closing Angle and Volumetric Efficiency of a Four-Stroke Engine", Bulletin of JSME 621.43.05, 1969, pages 894-901	
	MA, T., "Recent Advances in Variable Valve Timing", pages 235-252	
	HARA, S. et al., "Effects of Intake-Valve Closing Timing on Spark-Ignition Engine Combustion", SAE Technical Paper Series 850074, February 25-March 1, 1985, pages 1-10	
	STONE, R. and KWAN, E., "Variable Valve Actuation Mechanisms and the Potential for their Application", SAE Technical Paper Series 890673, February 27- March 3, 1989, pages 1-18	
	MEACHAM, G., "Variable Cam Timing as an Emission Control Tool", ASE 700673, August 24-27, 1970, pages 1-16	
	SIEWERT, R., "How Individual Valve Timing Events Affect Exhaust Emissions", ASE 710609, June 7-11, 1971, pages 1-17	
	FREEMAN, M. and NICHOLSON, R., "Valve Timing for Control of Oxides of Nitrogen (NO)", ASE 720121, January 10-14, 1972, pages 1-10	
	SCHIELE, C., "Design and Development of a Variable Valve Timing (VVT) Camshaft", ASE 740102, February 25-March 1, 1974, pages 1-9	
	BATES, B. et al., "Variable Displacement by Engine Valve Control", ASE Technical Paper Series 780145, February 27-March 3, 1978, pages 1-12	
	SIEGLA, D. AND SIEWERT, R., "The Variable Stroke Engine - Problems and Promises", ASE Technical Paper Series 780700, August 7-10, 1978, pages 1-12	
	LURIA, D. et al., "The Otto-Atkinson Engine - A New Concept in Automotive Economy", SAE Technical Paper Series, 820352, February 22-26, 1982, pages 1-8	
	TUTTLE, J., "Controlling Engine Load by Means of Early Intake Valve Closing", SAE Technical Paper Series 820408, February 22-26, 1982, pages 1-17	
	ASMUS, T., "Valve Events and Engine Operation", SAE Technical Paper Series 820749, June 7-10, 1982, pages 1-14	
	HERRIN, R. and POZNIAK D., "A Lost-Motion, Variable-Valve-Timing System for Automotive Piston Engines", SAE Technical Paper Series 840335, February 27-March 2, 1984, pages 1-15	
	RICHMAN, R. and REYNOLDS, W., "A Computer-Controlled Poppet-Valve Actuation System for Application on Research Engines", SAE Technical Paper Series 840340, February 27-March 2, 1984, pages 1-9	
	ELROD, A. and NELSON, M., "Development of a Variable Valve Timed Engine to Eliminate the Pumping Losses Associated with Throttled Operation", SAE Technical Paper Series 860537, February 24- 28, 1986, pages 1-8	
	NELSON, M. and ELROD, A., "Continuous-Camlobe Phasing: An Advanced Valve-Timing Approach", SAE Technical Paper Series 870612, February 23-27, 1987, pages 1-10	
	FREUDENSTEIN, F. et al., "The Synthesis and Analysis of Variable-Valve-Timing Mechanisms for Internal-Combustion Engines", SAE Technical Paper Series 880387, February 29-March 4, 1988, pages 1-10	

Complete if Known

<i>Application Number</i>	10/733,570
<i>Filing Date</i>	December 12, 2003
<i>First Named Inventor</i>	Weber
<i>Art Unit</i>	3747
<i>Examiner Name</i>	Hyder Ali

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet

12

of

13

Attorney Docket Number

8350.1649-02

NON PATENT LITERATURE DOCUMENTS

	LENZ, H. et al., "Variable Valve Timing-A Possibility to Control Engine Load without Throttle", SAE Technical Paper Series 880388, February 29-March 4, 1988, pages 1 - 7	
	SAPIENZA, S. et al., "An Electronically Controlled Cam Phasing System", SAE Technical Paper Series 880391, February 29-March 4, 1988, pages 1-7	
	GRIFFITHS, P. and MISTRY, K., "Variable Valve Timing for Fuel Economy Improvement - The Mitchell System", SAE Technical Paper Series 880392, February 29-March 4, 1988, pages 1-9	
	ENTZMINGER, W., "Variable Valve Action (VVA) Through Variable Ratio Rocker Arms", SAE Technical Paper Series 880730, February 29-March 4, 1988, pages 1-11	
	DRESNER, T. and BARKAN, P., "A Review and Classification of Variable Valve Timing Mechanisms", SAE Technical Paper Series 890674, February 27-March 3, 1989, pages 1-14	
	SAUNDERS, R. and ABDUL-WAHAB, E., "Variable Valve Closure Timing for Load Control and the Otto Atkinson Cycle Engine", SAE Technical Paper Series 890677, February 27-March 3, 1989, pages 1-11	
	LENZ, H. et al., "Initial Test Results of an Electro-Hydraulic Variable-Valve Actuation System on a Firing Engine", SAE Technical Paper Series 890678, February 27-March 3, 1989, pages 1-8	
	GROHN, M., "The New Camshaft Adjustment System by Mercedes-Benz--Design and Application in 4-Valve Engines", SAE Technical Paper Series 901727, February 17-20, 1990, pages 1-6	
	GOULD, L. et al., "Performance Evaluation of a Camless Engine Using Valve Actuators with Programmable Timing", SAE Technical Paper Series 910450, February 25-March 1, 1991, pages 1 - 13	
	NAGESH, M. et al., "Experimental Investigation on Extended Expansion Engine (EEE)", SAE Technical Paper Series 920452, February 24-28, 1992, pages 1-14	
	WILSON, N. et al., "Asymmetric Valve Strategies and Their Effect on Combustion", SAE Technical Paper Series 930821, March 1-5, 1993, pages 29-40	
	HATANO, K. et al., "Development of a New Multi-Mode Variable Valve Timing Engine", SAE Technical Paper Series 930878, March 1-5, 1993, pages 137-143	
	SAUNDERS, R. and RABIA, S., "Part Load Efficiency in Gasoline Engines", 1986, pages 55-62, Mechanical Engineering Publications Limited, Suffolk, UK	
	STONE, C. and KWAN, E., "Variable Valve Timing for IC Engines", Automotive Engineer, pages 54-58	
	DRESNER, T., "Multi-input CAM-Actuated Mechanisms and their Application to IC Engine Variable Valve Timing", A Dissertation Submitted to the Department of Mechanical Engineering and the Committee of Graduate Studies of Stanford University, Sept. 1988, No. 8906655, pages 1-277	
	Action Closing Prosecution in <i>Inter Partes</i> Reexamination for Control No. 95/000,049 dated September 22, 2005; Patent Owner's Response to Action Closing Prosecution, filed October 24, 2005, including Exhibit A: Second Declaration of Dr. John J. Moskwa, and Exhibit B: Second Declaration of Dr. Joel Hiltner, including Exhibit 1: U.S. Patent No. 5,535,716, Exhibit 2: U.S. Patent No. 4,084,557, Exhibit 3: July 13, 2004 press release of IPO announcing National Inventor of the Year Award from the Intellectual Property Owner's Association, and Exhibit 4: U.S. Patent Application Publication No. 2005/0098162 A1, published on May 12, 2005; Comments of Requester Re Patent Owner's Response to Action Closing Prosecution, filed November 23, 2005, including Supplemental Declaration of Jack A. Ekchian, PH.D. and Supplemental Declaration of David F. Merrion.	
	Action Closing Prosecution in <i>Inter Partes</i> Reexamination for Control No. 95/000,050 dated September 22, 2005; Patent Owner's Response to Action Closing Prosecution, filed October 24, 2005, including Exhibit A: Second Declaration of Dr. John J. Moskwa, and Exhibit B: Second Declaration of Dr. Joel Hiltner, including Exhibit 1: U.S. Patent No. 5,535,716, Exhibit 2: U.S. Patent No. 4,084,557, Exhibit 3: July 13, 2004 press release of IPO announcing National Inventor of the Year Award from the Intellectual Property Owner's Association, and Exhibit 4: U.S. Patent Application Publication No. 2005/0098162 A1, published on May 12, 2005; Comments of Requester Re Patent Owner's Response to Action Closing Prosecution, filed November 23, 2005, including Supplemental Declaration of Jack A. Ekchian, PH.D. and Supplemental Declaration of David F. Merrion.	
	Office Action dated August 22, 2005 for U.S. Patent Application No. 10/933,300.	
	Office Action dated August 22, 2005 for U.S. Patent Application No. 11/105,943.	
	Office Action dated November 25, 2005 for U.S. Patent Application No. 10/992,125.	
	Office Action dated November 23, 2005 for U.S. Patent Application No. 10/992,198.	
	English Language JPO Abstract of JP Publication No. 05106415 A1, April 27, 1993	
	English Language JPO Abstract of JP Publication No. 2000145484 A, May 26, 2000	
	English Language JPO Abstract of JP Publication No. 2000120457 A, April 25, 2000	

				Complete if Known	
				<i>Application Number</i>	10/733,570
				<i>Filing Date</i>	December 12, 2003
				<i>First Named Inventor</i>	Weber
				<i>Art Unit</i>	3747
				<i>Examiner Name</i>	Hyder Ali
Sheet	13	of	13	<i>Attorney Docket Number</i>	8350.1649-02

NON PATENT LITERATURE DOCUMENTS

	Communication from European Patent Office dated May 18, 2005 from EP Patent Application No. 03006344.0-2311 including Partial Search Report, Lack of Unity Opinion, and Annex to Search Report	
	Request for <i>Ex Parte</i> Reexamination for U.S. Patent No. 6,688,280 filed January 18, 2006, including Declaration of Dr. Joel Hiltner with each Exhibit referred to in the Declaration.	
	SAKAI, H. et al., "A Miller System Application for Efficient Diesel Power Units," The American Chemical Society, 1986, pages 355-360	
	Dickey et al., "Nox Control in Heavy-Duty Diesel Engines - What is the Limit?", SAE 980174, International Congress and Exposition, Detroit, Michigan, February 23-26, 1998, (16 pages)	
	"Jacobs Vehicle Systems, Future Technology: VVA, VVA - Variable Actuation Systems," http://www.jakebrake.com/content.php4?doc_uid=11 , pages 1-2	
	Richard Car's, "Paxman History Pages, Paxman Diesel Engines Since 1934," http://www.nelmesfsnet.co.uk/paxman/paxeng34.htm , pages 1 & 9	
	"ALSTOM Engines, Paxman VP185," pages 1-3, and 6	
	Dipl.-Ing. Jörg Ballauf, "The 8 th Annual Automobile and Engine Technology Coolloquium in Aachen An Overview," pages 1-5	
	"Sturman Industries, Leading The Mechanical World Into The Digital Age, Hydraulic Valve Actuation," http://www.sturmanindustries.com/main/hydraulicValveActuation.htm , pages 1-2	
	"Eaton Automotive - Engine Products, Variable Valve Actuation Devices," http://www.automotive.eaton.com/product/engine_controls/VVA.html , page 1	
	LILLY, L., "Diesel Engine Reference Book," 1984, Chapter 2, page 3; Chapter 3, pages 7-8	
	Tennison, P., "An Experimental Investigation of the Effects of Common Rail Injection Parameters on Emissions and Performance in a High Speed Direct Injection Small Bore Diesel Engine," pages 1-2	
	Delphi, "Notas de prensa, Delphi Launches World's Most Advanced Common Rail Diesel System With Ford," August 21, 2004, http://www.delphidieselsystems.com/diesel/es/ESDDSNewsItems4321.asp , pgs.1-3	
	Isuzu, Press Release, "Isuzu New Direct Injection Diesel Lineup," October 19, 1999, http://www.isuzu.co.jp/world/press/1999/p_1019_2.html , pages 1-2	
	Hara et al., "Effects of Intake-Valve Closing Timing on Spark-Ignition Engine Combustion", SAE Technical Paper Series 850074, February 25-March 1, 1985, pages 1-10	
	Communication/European Search Report dated 21 April 2005 from EP Patent Application No. 04029382.1 of Clyde C. Bryant.	

Examiner Signature		Date Considered
--------------------	--	-----------------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.